

## N Male to N Male Cable LMR-100 Coax in 48 Inch

General purpose flexible LMR-100 cable assemblies are built using high quality connectors and Times Microwave cable. These cable assemblies are built using double shielded flexible cable providing excellent shielding greater than 90 dB. These general purpose cables are intended for, lab use, equipment interconnect and anywhere that lower insertion loss and greater shielding effectiveness than standard RG type cable is required.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.35:1	
Velocity of Propagation		66		%
RF Shielding	90			dB
Capacitance	30.8 [101.05]			pF/ft [pF/m]
Inductance	0.077 [0.25]			uH/ft [uH/m]
DC Resistance Inner Conductor	81 [265.75]			$\Omega$ /1000ft [ $\Omega$ /Km]
DC Resistance Outer Conductor	9.5 [31.17]			$\Omega$ /1000ft [ $\Omega$ /Km]

### Mechanical Specifications

#### Cable Assembly

Length	48 in [121.92 cm]
Diameter	0.89 in [22.61 mm]

#### Cable

Cable Type	LMR-100A-PVC
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Tinned Copper
Shield Layer 2	Aluminum Tape
Jacket Material	PE, Black
Jacket Diameter	0.195 in [4.95 mm]

### Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Brass, Nickel



### Configuration:

- N Male
- N Male
- LMR-100A-PVC

### Features:

- N Male to N Male
- Times© LMR-100 Flexible Low Loss Coax
- Heat Shrink Booting
- VoP of 84%
- Custom lengths available
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### Applications:

- General Purpose
- Wireless Communications
- Lab Use
- Equipment Interconnect

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## Environmental Specifications

### Temperature

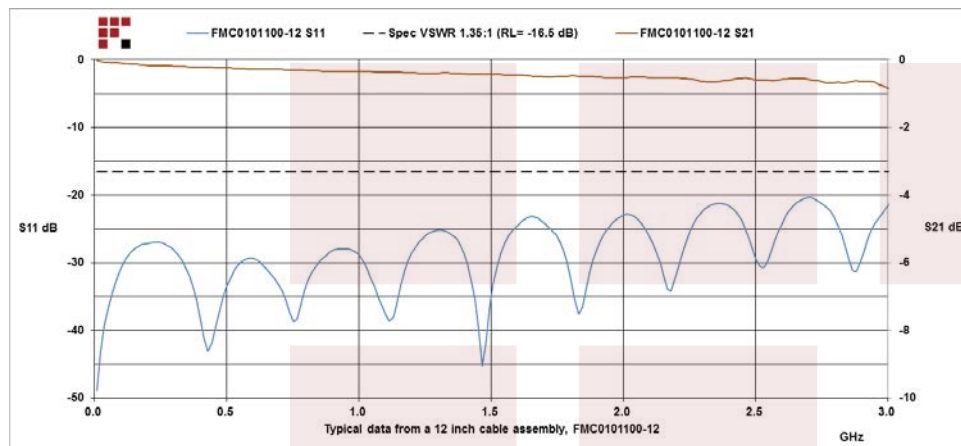
Operating Range -65 to +85 deg C

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

## Plotted and Other Data

Notes:

### Typical Performance Data



## How to Order

Part Number Configuration:

**FMC0101100 - xx uu**

cm = Centimeters

<blank> = Inches

Length

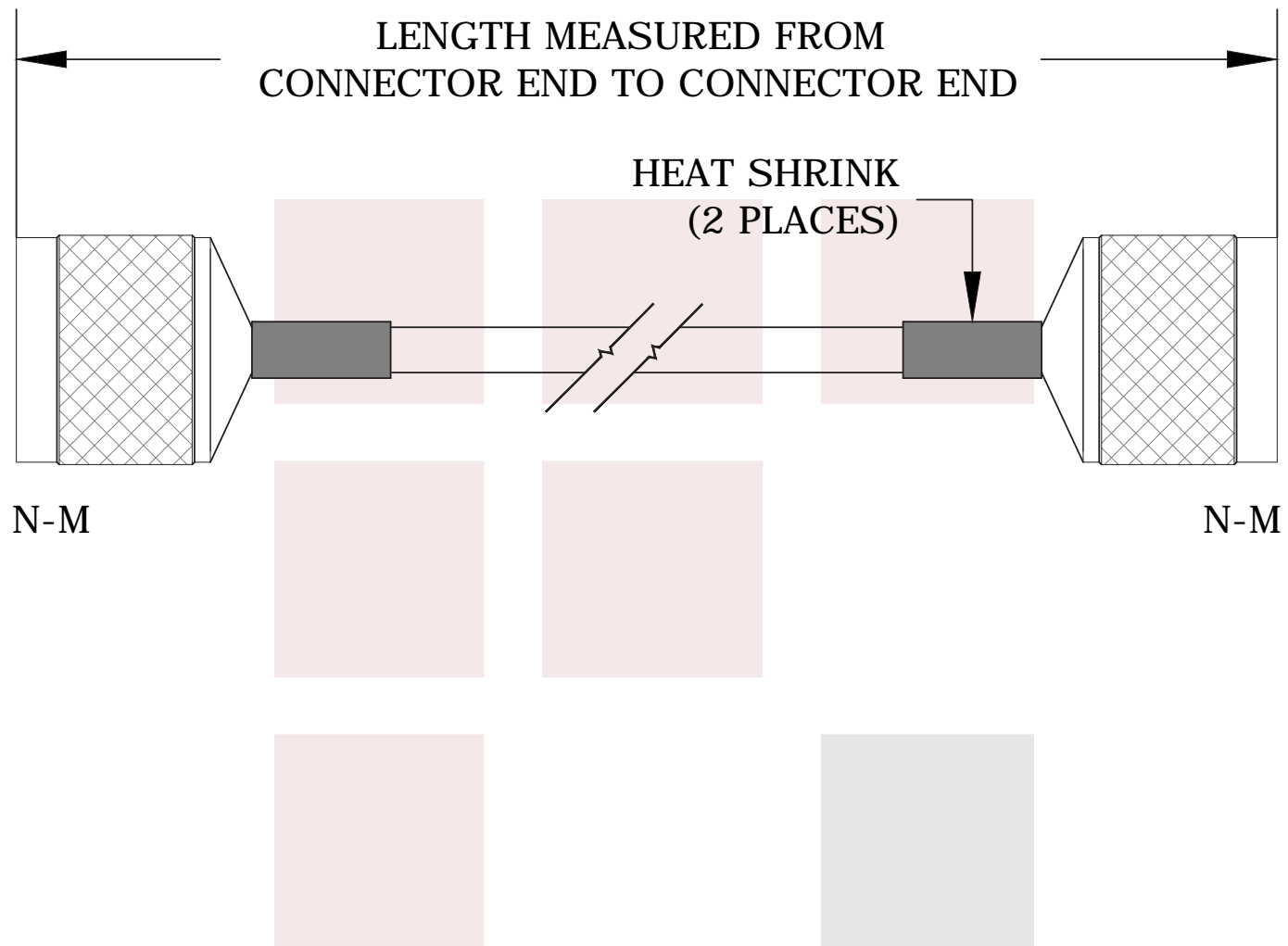
Example: FMC0101100-12 = 12 inches long cable  
FMC0101100-100cm = 100 cm long cable

N Male to N Male Cable LMR-100 Coax in 48 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [N Male to N Male Cable LMR-100 Coax in 48 Inch FMC0101100-48](http://www.fairviewmicrowave.com/standard-n-male-n-male-cable-lmr100-coax-fmc0101100-48-p.aspx)

URL: <http://www.fairviewmicrowave.com/standard-n-male-n-male-cable-lmr100-coax-fmc0101100-48-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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### NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

TITLE	DWG NO		CAGE CODE		
	FMC0101100		3FKR5		
	CAD FILE	022506	SHEET	SCALE N/A	SIZE A

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